penta CHEMICALS UNLIMITED®

Specification

Di-sodium hydrogenphosphate dodecahydrate

Chemical formula: $Na_2HPO_4 \cdot 12\ H_2O$
Molar mass: 358,14 g/mol
CAS: 10039-32-4
EINECS: 231-448-7

A.G. (15150)

Appearance	white crystalline substance
Assay	min. 99,0 %
Chloride (Cl^-)	max. 0,0005 %
Sulfate (SO_4^{2-})	max. 0,01 %
Fe (Iron)	max. 0,0005 %
pH (5% water solution, 25 °C)	9,0 - 9,3

pure (15140)

Appearance	white crystalline substance
Assay	min. 99,0 %

tested acc. to Ph. Eur. (38800)

Appearance	white crystalline substance
Identification A	passes test
Identification B	passes test
Identification D	passes test
Appearance of solution	clear, colorless
Substances reducing	passes test
Sodium dihydrogenphosphate	passes test
Chloride (Cl^-)	max. 200 µg/g
Sulfate (SO_4^{2-})	max. 500 µg/g
Fe (Iron)	max. 20 µg/g
Loss on drying (130°C)	57,0 - 61,0 %
Assay	98,5 - 102,5 %
Identification C	passes test

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Specification

complies with Ph. Eur. (46750)

Appearance	white crystalline substance
Identification A	passes test
Identification B	passes test
Identification C	passes test
Identification D	passes test
Appearance of solution	clear, colourless
Substances reducing	passes test
Sodium dihydrogenphosphate	passes test
Chloride (Cl^-)	max. 200 µg/g
Sulfate (SO_4^{2-})	max. 500 µg/g
Fe (Iron)	max. 20 µg/g
Loss on drying (130°C)	57,0 - 61,0 %
Assay	98,5 - 102,5 %